

Logistics

Ammunition Peculiar Equipment (APE)

**Headquarters
Department of the Army
Washington, DC
15 August 2002**

UNCLASSIFIED

SUMMARY of CHANGE

AR 700-20

Ammunition Peculiar Equipment (APE)

Specifically, this revision--

- o Clarifies and updates policy for the use of ammunition peculiar equipment by Defense contractors (chap 2).
- o Expands on the costs associated with requisitioning equipment, parts, kits, and assemblies (para 3-1).
- o Addresses the lead-time for identifying program needs and budget requirements (para 3-1).
- o Provides information regarding safety approval of locally fabricated equipment (para 3-1).
- o Recognizes the requirements of DOD 5160.65M, Single Manager for Conventional Ammunition.

Effective 15 September 2002

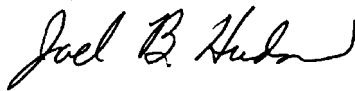
Logistics

Ammunition Peculiar Equipment (APE)

By Order of the Secretary of the Army:

ERIC K. SHINSEKI
General, United States Army
Chief of Staff

Official:



JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army

History. This printing publishes a revision of this publication. Because the publication has been extensively revised, the changed portions have not been highlighted.

Summary. This regulation delineates the authority, policy, and methods of providing ammunition peculiar equipment. It clarifies and updates policy for the use of ammunition peculiar equipment by Defense contractors; expands on the costs associated with requisitioning equipment, parts, kits, and assemblies; addresses the lead-time identifying program needs and budget requirements; and provides information regarding safety approval of locally fabricated equipment. This

regulation recognizes the requirements of DOD 5160.65M, Single Manager for Conventional Ammunition.

Applicability. This regulation applies to the Active Army, the Army National Guard, and U.S. Army Reserve activities that receive, store, ship, inspect, renovate, or demilitarize conventional and chemical ammunition in items and components. Contractor operated installations that perform ammunition depot-type operations are provided ammunition peculiar equipment under the provisions of their contracts. This regulation will not be used upon mobilization.

Proponent and exception authority.

The proponent agency of this regulation is the Deputy Chief of Staff, G–4. The proponent has the authority to approve exceptions to this regulation that are consistent with controlling law and regulation. Proponents may delegate this approval authority, in writing, to a colonel or civilian equivalent within the proponent agency.

Army management control process.

This regulation contains management control provisions but does not identify key management controls that must be evaluated.

Supplementation. Supplementation of

this regulation and establishment of command and local forms are prohibited without prior approval from HQDA, DALO–AMA, Washington, DC 20310–500.

Suggested Improvements. The proponent agency of this regulation is the Office of the Chief of Staff, G–4 (ODCS, G–4). It is preferred that users submit their suggested changes using the new electronic version of DA Form 2028. As an alternative, users may send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to United States Army Logistics Integration Agency, 54 M Avenue, Suite 4, New Cumberland, PA 17070.

Distribution. This publication is available in electronic media only and is intended for command levels A, B, C, D, and E for the Active Army, the U. S. Army National Guard, and the U.S. Army Reserve.

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* This regulation supersedes AR 700–20, 05 February 1990.

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Glossary

Chapter 1

Introduction

1-1. Purpose

This regulation—

- a.* Establishes the ammunition peculiar equipment (APE) and ammunition gage program.
- b.* Prescribes authority, policy, and methods for providing worldwide ammunition peculiar equipment to support ammunition operations. These include surveillance, demilitarization, maintenance, renovation, modification, packaging, and preservation.
- c.* Gives Headquarters, Department of the Army (DA) the means to provide this equipment and establish the goals, policies, and duties for the management, development, supply, and proper utilization of APE.
- d.* Establishes a Nonstandard Ammunition Peculiar Equipment External Review Program for tools, jigs, and fixtures fabricated locally for ammunition research, development, test, and evaluation (RDT&E) operations conducted within the U.S. Army Materiel Command (AMC).

1-2. References

Required and related publications and prescribed and referenced forms are listed in appendix A.

1-3. Explanation of abbreviations and terms

Abbreviations and special terms used in this regulation are explained in the glossary.

1-4. Objectives

The objectives of the APE and ammunition gage program are as follows:

- a.* Provide a worldwide, centralized source of standard, modern, safe, reliable, and environmentally acceptable equipment for ammunition operations.
- b.* Prevent damage to ammunition or related facilities as well as injury to personnel as a result of unauthorized or improper equipment design, use, or modification.

Chapter 2

Ammunition Peculiar Equipment Acquisition Responsibilities and Policies

Section I

Responsibilities

2-1. Deputy Chief of Staff, G-4

The Deputy Chief of Staff, G-4 (DCS, G-4) (DALO-AMA) will prescribe policy and provide staff direction and guidance for the APE program.

2-2. Commanding General, U.S. Army Materiel Command

The Commanding General, U.S. Army Materiel Command (CG, AMC) will—

- a.* Provide staff supervision of the APE program through the Deputy Chief of Staff for Ammunition (AMCAM-LG).
- b.* Review planned APE projects and determine funding release for procurement projects.
- c.* Review and provide guidance for the execution of the APE program.

2-3. Commanding General, U.S. Army Operations Support Command

The Commanding General, U.S. Army Operations Support Command (CG, OSC) will—

- a.* Manage and execute the APE and ammunition gage program.
- b.* Compile APE needs and develop and rate economic program analysis involving engineering studies, production improvements, prototype development, establishment of priorities, periodic reassessment of engineering growth, and the identification of resource needs for executing the APE program.
- c.* Establish and maintain a 5-year program, including budget needs and proposed distribution of equipment.
- d.* Assure that inspections and inventories are made as necessary and establish appropriate records of status and location of all equipment worldwide.
- e.* Control the technical design, testing, documentation, and modification of APE items. Provide final approval for all APE items.
- f.* Direct movement of all APE and ammunition gages.
 - (1) Keep accounts for all APE end items and ammunition gages loaned to the U.S. Army and other military users.
 - (2) Monitor inventory records for all APE and ammunition gages loaned to contractors.

- g. Direct the disposition of APE and ammunition gages that are declared excess to Army requirements or that are not economically repairable.
- h. Establish and maintain a configuration control program for APE.
- i. Review all requests for approval of locally developed and modified nonstandard APE, obtain engineering and safety approval for items, and assign identifying numbers to the equipment.
- j. Provide assistance with pre-installation and train personnel to be qualified operators.
- k. Provide final safety approval for all APE and nonstandard APE items with low residual hazards (per AR 385–16, app B). APE and nonstandard APE items with medium and high residual hazards will be returned for redesign to assure that the hazard is reduced to low residual risk.

2–4. Commanders of continental United States and outside continental United States activities

Commanders of continental United States (CONUS) and outside continental United States (OCONUS) activities using APE will—

- a. Maintain a central control file and report condition, deficiencies, and location. Entry into the central control file will be by type of APE, and will include the following:
 - (1) Ammunition peculiar equipment part number.
 - (2) Ammunition peculiar equipment model number.
 - (3) Ammunition peculiar equipment serial number.
- b. Assure timely accomplishment of user maintenance and comply with shipping, storage, use, and inspection procedures in appropriate operational manuals, properly storing and preserving equipment during idle periods per TM 43–0000–47, and assigning and reporting proper condition codes reflecting true condition per AR 725–50, appendix C. Ammunition peculiar equipment needing maintenance beyond that allowed in operational manuals will be reported to Commander, U.S. Army Operations Support Command, ATTN: SOSMA–SND, 1 Rock Island Arsenal, Rock Island, IL 61299–6000 for instructions.
- c. Assure APE is not modified or shipped without approval of the Commander, OSC (see para b, above).
- d. Assure standard APE is not available in the supply system before seeking approval to make nonstandard APE locally.
- e. Request disposition instructions from the Commander, OSC (see para b, above) for all APE end items, arts, kits, and ammunition gages that are no longer required.
- f. OCONUS commands should identify APE requirements in support of ammunition surveillance and ammunition maintenance operations being conducted on U.S. munitions at U.S. as well as Host Nation/NATO funded facilities.

Section II

Ammunition Peculiar Equipment Acquisition Policies

2–5. Military users

- a. Army users will receive APE, gages, and noncommercial repair parts on a free issue loan basis. Military users, other than Army, will receive APE as outlined in chapter 8 of DOD 5160.65M.
- b. Ammunition peculiar equipment and gage requirements will be financed by the Procurement of Ammunition, Army Appropriation defined in DFAS–IN Manual 37–100. Packaging, crating, handling, and transportation (PCHT) costs will be financed as follows:
 - (1) The shipping installation will finance PCHT costs for shipping Army-owned APE and ammunition gages from Government-operated installations and activities.
 - (2) The U.S. Army Operations Support Command (OSC) will finance PCHT costs for shipping Army-owned APE from contractor operated installations and activities.
- c. Ammunition peculiar equipment and ammunition gages may be loaned to Government-operated Army installations for indefinite periods to accomplish depot type operations and Army retail ammunition supply point (ASP) operations. The APE will remain on OSC accountable records; using installations will establish a central control file for each item of APE and ammunition gage.
 - (1) Ammunition peculiar equipment end items and ammunition gages that are issued to using units or organizations on a temporary or loan basis will be via hand receipt and accounted for as outlined in AR 710–2, paragraph 2–10.
 - (2) Kits, component parts, assemblies, and non-standard APE (locally fabricated) will be accounted for at the unit/installation level following procedures outlined in AR 710–2, paragraph 2–10.
- d. The user is responsible for maintaining APE. All APE will be condition coded to reflect true serviceability per AR 725–50, appendix C. The cyclic inspection, care of materiel in storage, APE shipping and receiving, as directed by the CG, OSC will be programmed and funded by the appropriate work authorization document, using the accounting structure in DFAS–IN Manual 37–100.
- e. Equipment funded and issued under this regulation is exempt from the acquisition provision of AR 25–1.

f. Ammunition peculiar equipment needs will be developed and programmed for the budget fiscal year plus the four subsequent fiscal years to coincide with the financial program development and budget cycles.

g. Users will submit reports of deficiencies in equipment and recommendations for improvement to HQ, OSC, Attention: SOSMA-SND. The responsible design activity will promptly investigate these reports.

h. Ammunition peculiar equipment returning to the Army from all customers will be condition coded and returned to like new condition by the APE mission depot prior to reissue.

2-6. Commercial and other users

a. Ammunition peculiar equipment may be issued to Government-owned, contractor-operated (GOCO) installations and activities. It will be issued primarily to support depot type operations, and may augment production machinery when needed. Accountability for this equipment will rest with the contractor as defined in the contract. The OSC will maintain inventory records of APE and ammunition gage assets at contractor facilities.

b. Ammunition peculiar equipment may be furnished to contractors pursuant to performance on contracts with a DOD element when considered in the best interest of the government. Sale of APE to contractors will be in accordance with FAR 45.6 and DFARS 245.6.

c. Ammunition peculiar equipment will not be included in the layaway of industrial facilities or manufacturing lines, and will remain available at all times for movement or issue as determined by the OSC.

d. Ammunition peculiar equipment will only be included as government furnished equipment (GFE) in government contracts if pre-approved by OSC, SOSMA-SND, and only if quantifiable consideration is identified in the contract. APE may only be GFE to a contractor on a non-interference basis with current and planned organic programs. At the completion of the contract, decontamination (removal of explosive/hazardous substances) of APE will be performed by the contractor in accordance with DOD 5160.65M. PCHT costs for the return of equipment to the APE mission depot will be the responsibility of the contractor.

e. In contracts where, by contract statement, all program costs are to be borne by the service contract (for example, indefinite delivery/indefinite quantity (IDIQ) contracts), APE identified in the contract will be furnished on "where is, as is basis." The service contractor will purchase repair parts and technical support for the APE program.

f. Ammunition peculiar equipment that is not required to support Army programs may be sold to authorized parties and contractors that possess the appropriate BATF or other required licenses for munitions processing. Sales will include an end use statement in accordance with DOD 4160.21-M. Ammunition peculiar equipment will be decontaminated in accordance with DOD 5160.65M prior to sale or release.

Chapter 3 Requirements and Requisitioning

3-1. Ammunition and peculiar equipment and gage requirements

a. Addresses. All requirements will be sent by letter or electronic mail (SOSMA-SND@osc.army.mil) to: Commander, U.S. Army Operations Support Command, ATTN: SOSMA-SND, 1 Rock Island Arsenal, Rock Island, IL 61299-6000.

b. Planning. For planning purposes, future APE and gage requirements will be forecasted no later than 30 September for the subsequent 6 out-years.

c. Budgeting. For budgeting purposes, the user will submit firm APE and gage requirements no later than 30 September, 12 months before the fiscal year of intended use. Requirements will consist of APE model number, quantity required of each model, and the ammunition operation the equipment will be used on. Requirements for gages will consist of quantity and national stock number/part number (NSN/PN).

d. Requisitioning.

(1) For APE (excluding repair parts) submit a letter or electronic mail to Commander, OSC (para a, above), with the following:

(a) Ammunition peculiar equipment model number.

(b) Quantity and priority.

(c) Justification for equipment. (Cite the ammunition operation to be accomplished and identify rounds of ammunition by type and model that will be processed with the APE.)

(d) Supplementary address of receiving installation.

(e) Length of loan requested.

1. For APE repair parts, kits, and/or assemblies, submit a requisition to Commander, OSC (see para a, above), using the manual procedures in AR 725-50.

2. For ammunition gages, submit a letter or electronic mail to Commander, OSC (see para a, above) with the following:

a. Ammunition gage NSN or part number.

- b.* Quantity and priority.
- c.* Justification for equipment.
- d.* Supplementary address of receiving installation.

(2) Gages determined to be excess to requirements or unserviceable will be reported to Commander, OSC (see para a, above) for disposition instructions. Inspection and certification of gages will be performed at the prescribed intervals/ passes outlined in TB 43-180.

3-2. Nonstandard ammunition peculiar equipment

Requests for approval of local design, fabrication, and use of nonstandard APE (special jigs, wrenches, and fixtures not normally provided under the APE program) will be submitted to Commander, OSC (see para 3-1a, above). In case of emergency need for the equipment, the approval request may be made by telephone and followed up with a written request within 10 days. The following will be submitted with the request:

- a.* Installation approved drawings or photographs.
- b.* A narrative description of what the equipment will do, along with an assessment of hazards in accordance with AR 385-16.

3-3. Equipment deficiencies

- a.* The main objective of reporting APE deficiencies is to control and correct safety, operations, reliability, durability, maintenance, and quality deficiencies identified by users of fielded APE.
- b.* Using installations will report APE deficiencies to Commander, OSC (see para 3-1a, above) by letter or electronic mail.

3-4. Equipment modification or deviation

a. Requests for approval of local APE modifications or deviations will be sent to the address in paragraph 3-1a, above. Include the following in the request:

- (1) Description of condition.
- (2) Rationale for modification or deviation.
- (3) Specific duration of the modification or deviation.
- (4) Precautions that will be taken to achieve safety in operation during the period of use.
- (5) Provide an assessment of hazards and instituted countermeasures (AR 385-16).

b. In the event of an emergency, a telephone or message request may be made to Commander, OSC (see para 3-1a, above), telephone commercial (309) 782-7284, or DSN 793-7284. Message confirmation of the request will be made within 5 working days following the initial request.

Appendix A References

Section I Required Publications

AR 25-1

Army Information Management. (Cited in para 2-5e.)

AR 385-16

System Safety Engineering and Management. (Cited in paras 2-3k, 3-2b, and 3-4a(5).)

AR 710-2

Inventory Management Supply Policy Below the Wholesale Level. (Cited in para 2-5c.)

AR 725-50

Requisitioning, Receipt, and Issue System. (Cited in paras 2-4b, 2-5f, and 3-1d(1)(e)(1).)

Section II Related Publications

AR 71-32

Force Development and Documentation-Consolidated Policies

AR 385-64

U.S. Army Explosives Safety Program

DFAS-IN 37-100

The Army Management Structure (Fiscal Code)(www.asafm.army.mil/pubs/pubs.asp)

DOD 5160.65M

Single Manager for Conventional Ammunition (www.dtic.mil/whs/directives/)

FAR 45.6

Federal Acquisition Regulation Government Property (<http://www.arnet.gov/far/>)

DFARS 245.6

Defense Federal Acquisition Regulation Supplement (web1.deskbook.osd.mil/htmfiles/DBY_dfars.asp)

DOD 4160.21-M

Defense Materiel Disposition Manual (web1.deskbook.osd.mil)

TB 43-180

Calibration and Repair Requirements for the Maintenance of Army Materiel. (Obtain through Army Primary Standards Labs, White Sands Missile Range, New Mexico 88002.)

TM 43-0001-47

Army Ammunition Data Sheets, Ammunition Peculiar Equipment (<http://www.usace.army.mil/usace-docs/>)

Section III Prescribed Forms

This section contains no entries.

Section IV Referenced Forms

This section contains no entries.

Glossary

Section I

Abbreviations

AMC

U.S. Army Materiel Command

APE

ammunition peculiar equipment

BATF

Bureau of Alcohol, Tobacco, and Firearms

CONUS

continental United States

DCS, G-4

Deputy Chief of Staff, G-4

GFE

Government furnished equipment

GOCO

Government owned, contractor-operated

NSN/PN

national stock number/part number

OCONUS

outside continental United States

PCHT

packaging, crating, handling, and transportation

RDTE

research, development, test, and evaluation

Section II

Terms

APE

Ammunition peculiar equipment consists of equipment, systems, and processes that are not commercially available and require approval/certification for use in hazardous/explosive operations. The APE is used to support conventional and chemical ammunition maintenance, surveillance, demilitarization, and testing type operations.

Non-standard APE

Special tools, fixtures, and jigs designed and made locally by users for use in ammunition operations.

Ammunition gage

An instrument used for measuring dimensions for specific tolerances, procured or loaned to support surveillance and maintenance operations.

Section III

Special Abbreviations and Terms

This publication uses the following abbreviations, brevity codes, and acronyms not contained in AR 310-50.

ASP

ammunition supply point

IDIQ

indefinite delivery/indefinite quantity

OSC

U. S. Army Operations Command

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